



Delta
Environmental
Consultants, Inc.

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Rancho Cordova, CA 95670-6021
U.S.A.
916 638-2085
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May 20, 2002

MAY 22 2002

Mr. Scott Seery
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: *Monitoring and Reporting Program*
Chevron Service Station No. 9-5607
5269 Crow Canyon Road
Castro Valley, California
Delta Project No. DG95-607

Dear Mr. Seery:

In an effort to reduce monitoring and reporting costs for monitoring wells, Delta Environmental Consultants, Inc. (Delta) has evaluated groundwater monitoring and sampling schedules for the subject site. Based on groundwater trends for data collected during the past 12 years, Delta requests that the following changes be made to the groundwater monitoring and reporting program for this site.

Proposed Changes to the Groundwater Monitoring and Sampling Program

1. Well C-5 / Change sampling frequency from semi-annual to annual. This well is located south of the former UST basin and pump islands and is cross gradient to the site. This well is primarily used for monitoring groundwater gradient and detecting up gradient off site sources of petroleum hydrocarbons. Concentrations of TPH as gasoline have decreased to non-detectable levels.
2. Well C-8 / Change sampling frequency from quarterly to semi-annual. This long-term Point of Compliance well is located northeast of the site and is up gradient to the former UST basin and pump islands. Analytes have not been detected above laboratory reporting limits since July 1998.
3. Well C-11 / Change sampling frequency from quarterly to annual. This sentinel well is over 100 feet southeast of the site and is cross gradient to well C-9. It appears that natural attenuation is occurring in the vicinity of well C-9 and that the leading edge of the plume is decreasing. Analytes have not been detected at or above laboratory reporting limits since July 1998.
4. Well C-13 / Change sampling frequency from semi-annual to annual and limit the collection of groundwater elevation data only to quarters when the well is sampled. This well is over 100 feet north and cross gradient to the site. This well is primarily used for monitoring groundwater gradient and detecting up gradient off site sources of petroleum hydrocarbons. Analytes have been detected only sporadically and at very low levels since installation of the well in 1990. This well is located along a median in Crow Canyon Road and requires traffic control to safely access the well. The cost for traffic control is approximately \$450.00 per event.

Mr. Scott Seery
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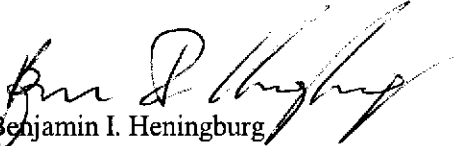
5. Well C-14 / Discontinue sampling this well. This sentinel well is located south of the site and is cross gradient to the former UST basin and pump islands. This well is primarily used for monitoring groundwater gradient and detecting up gradient off-site sources of petroleum hydrocarbons. Analytes have only been detected during two sampling events since this well was installed in 1990.
6. Well C-16 / Change sampling frequency from quarterly to annual. This sentinel well is over 150 feet southeast of the site and is cross gradient to leading edge of the plume. This well is primarily used for monitoring groundwater gradient and possible impacts to Crow Creek. During the past seven years, only one anomalous detection of TPH as gasoline has been reported from this well.

In addition to the changes requested above, we are also requesting that the collection groundwater elevation data be limited to those quarters when the wells are sampled and that isoconcentration maps be discontinued altogether in quarterly reports. These additional requests are supported by groundwater flow direction and analytical data collected during the past 12 years and will reduce the overall cost of collecting and reporting this information. Trend analyses for subject wells and a proposed monitoring schedule are attached.

If you have questions or comments regarding this request, please contact Ben Heningburg at (916) 536-2623.

Sincerely,

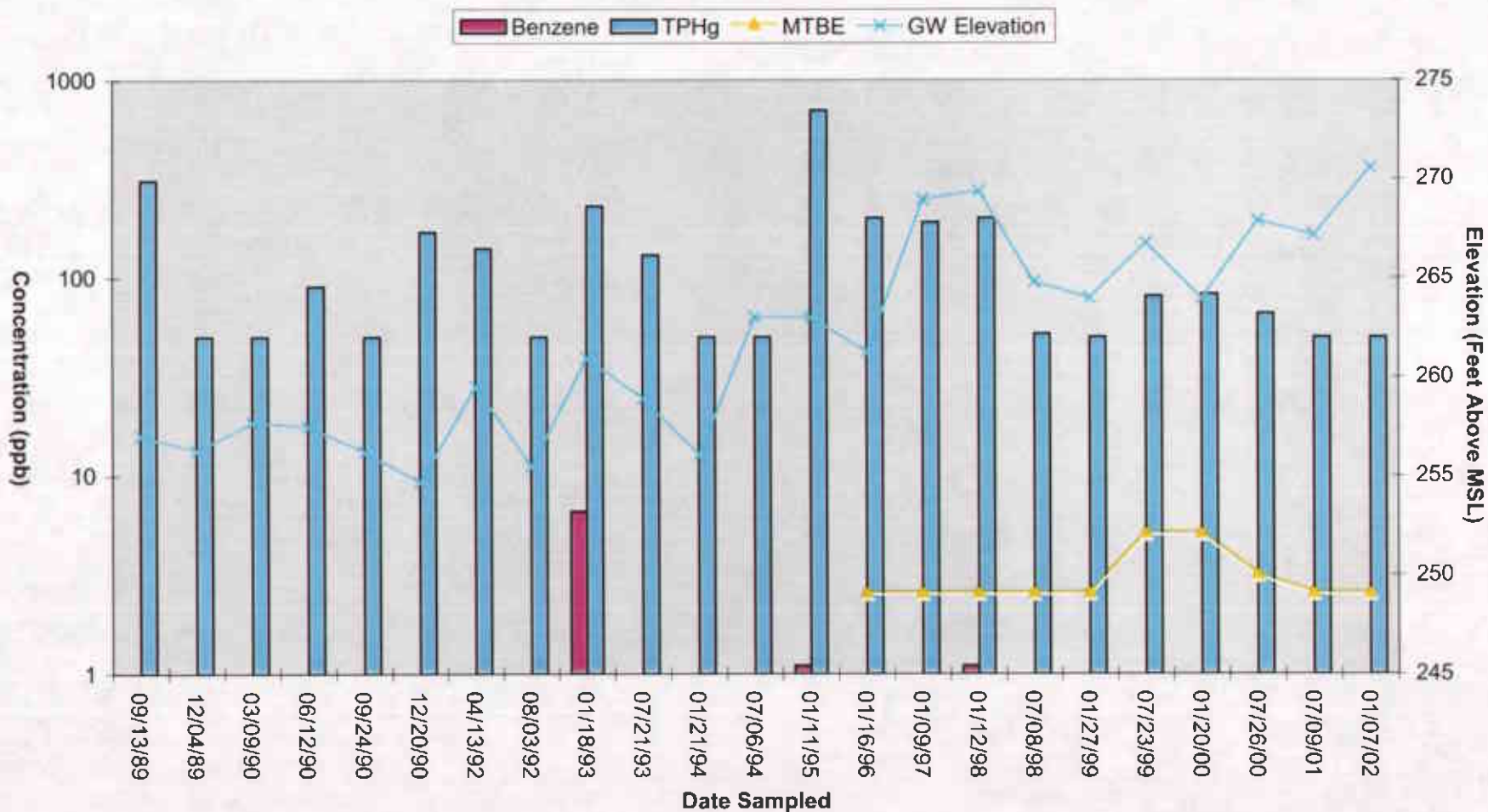
DELTA ENVIRONMENTAL CONSULTANTS, INC.


Benjamin I. Heningburg
Project Manager

BIH (CL002-9-5607)
Enclosure

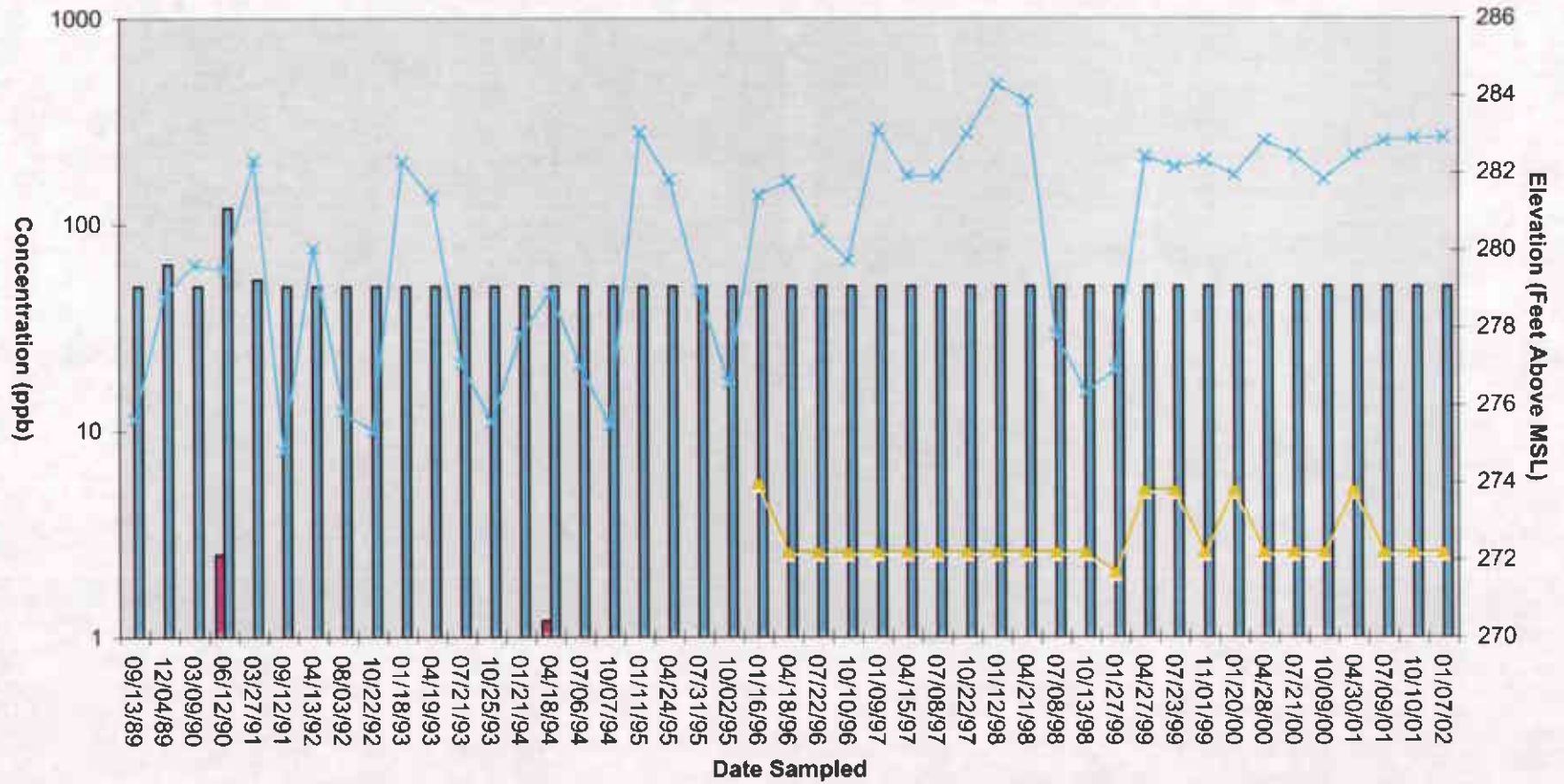
cc: Ms. Karen Streich – Chevron Products Company
Mr. Chuck Headlee – San Francisco Bay Regional Water Quality Control Board
Mr. Jim Brownell – Delta Environmental Consultants Inc.

Chevron Station No. 9-5607
 5269 Crow Canyon Road
 Castro Valley, California
C-5

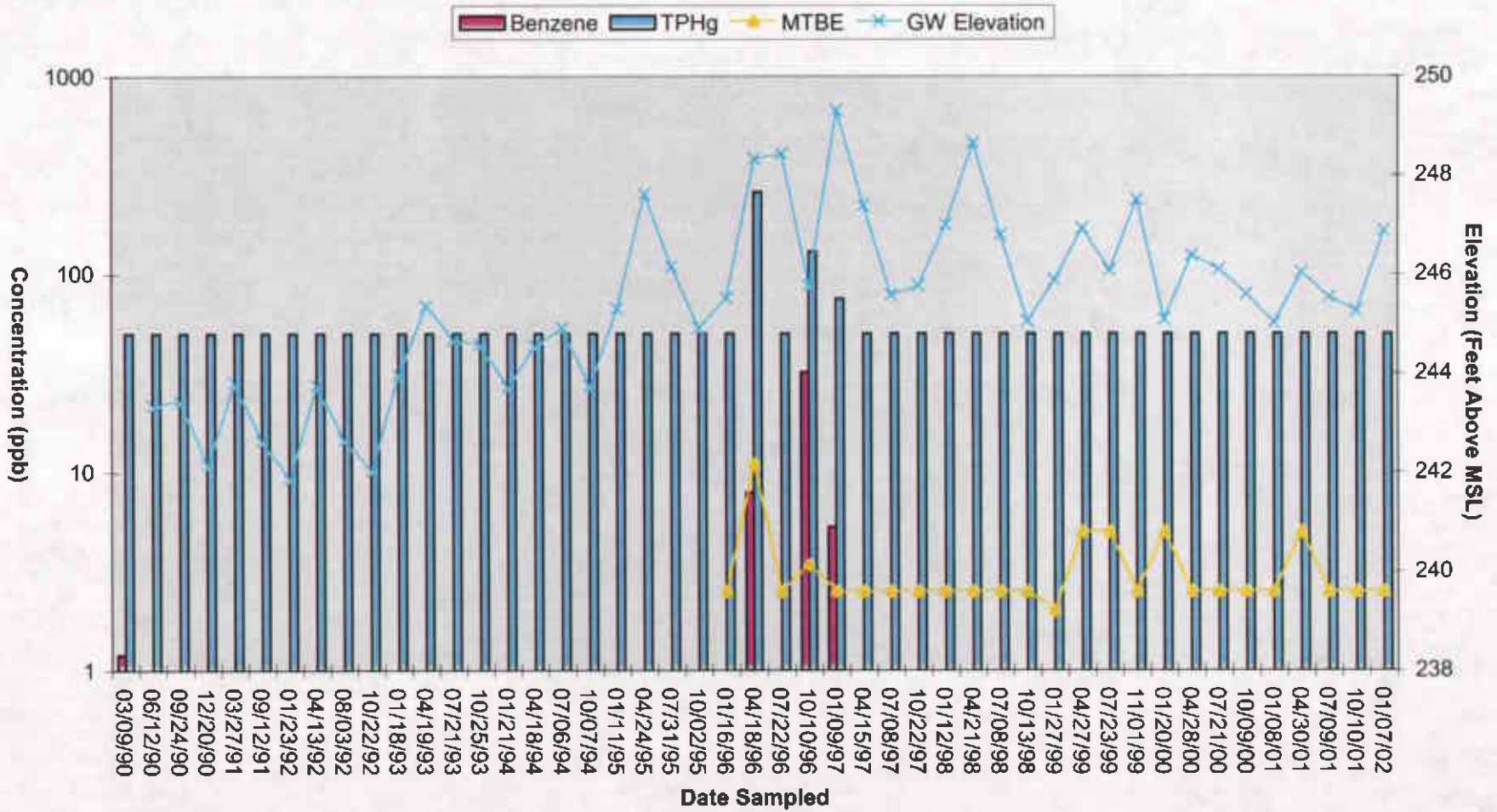


Chevron Station No. 9-5607
5269 Crow Canyon Road
Castro Valley, California
C-8

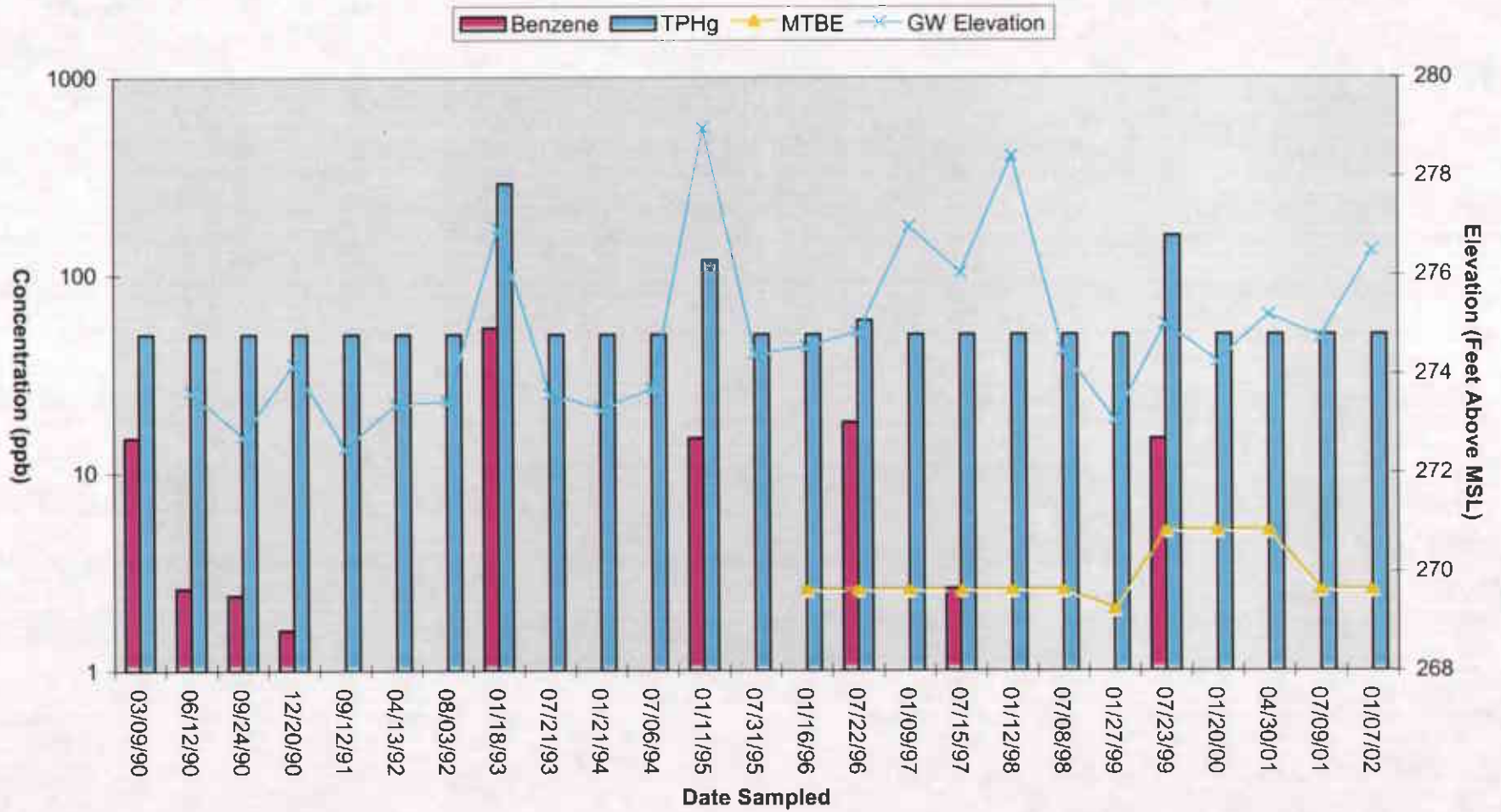
■ Benzene
 ■ TPHg
 ▲ MTBE
 ✕ GW Elevation



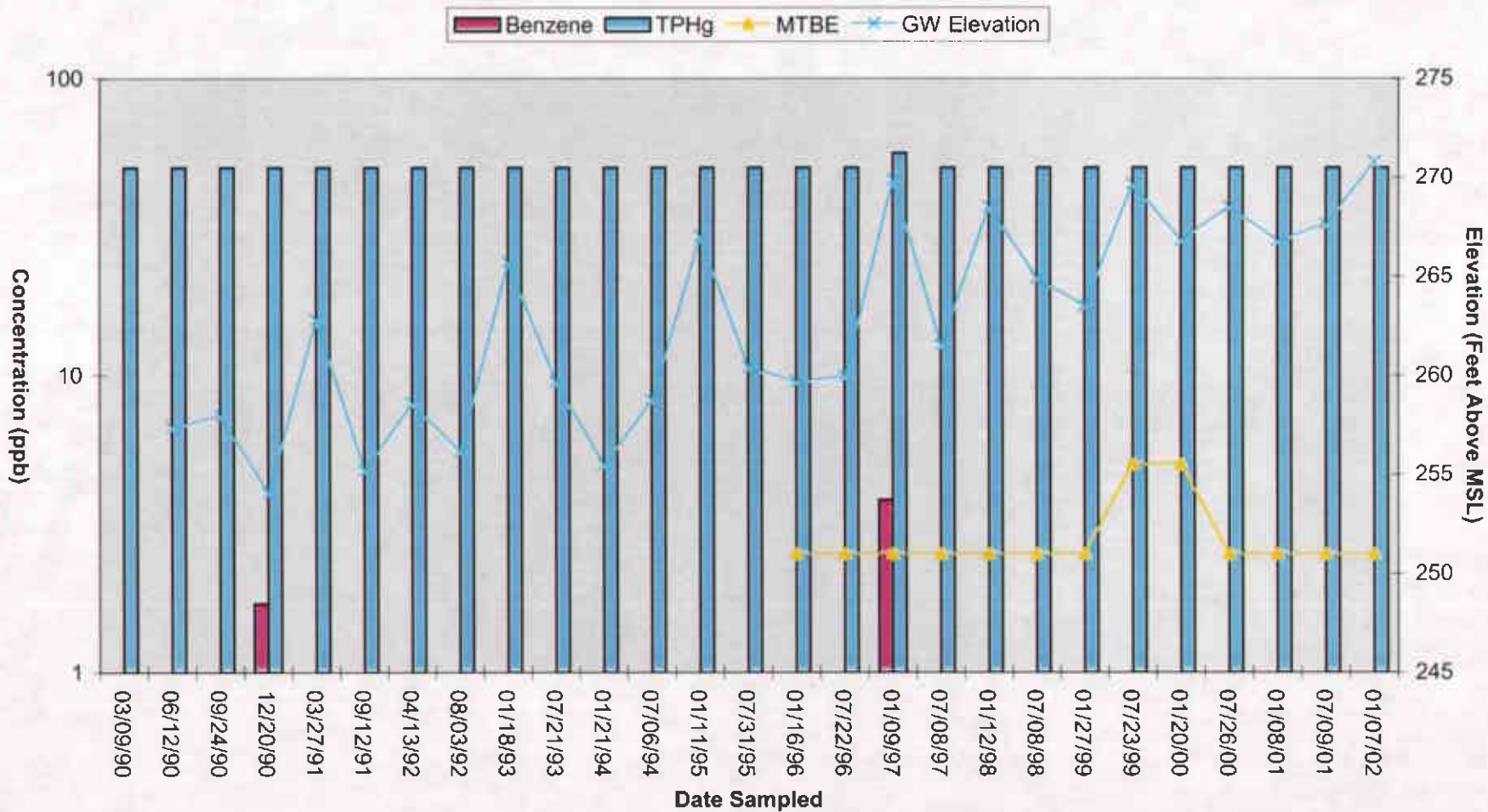
Chevron Station No. 9-5607
 5269 Crow Canyon Road
 Castro Valley, California
C-11



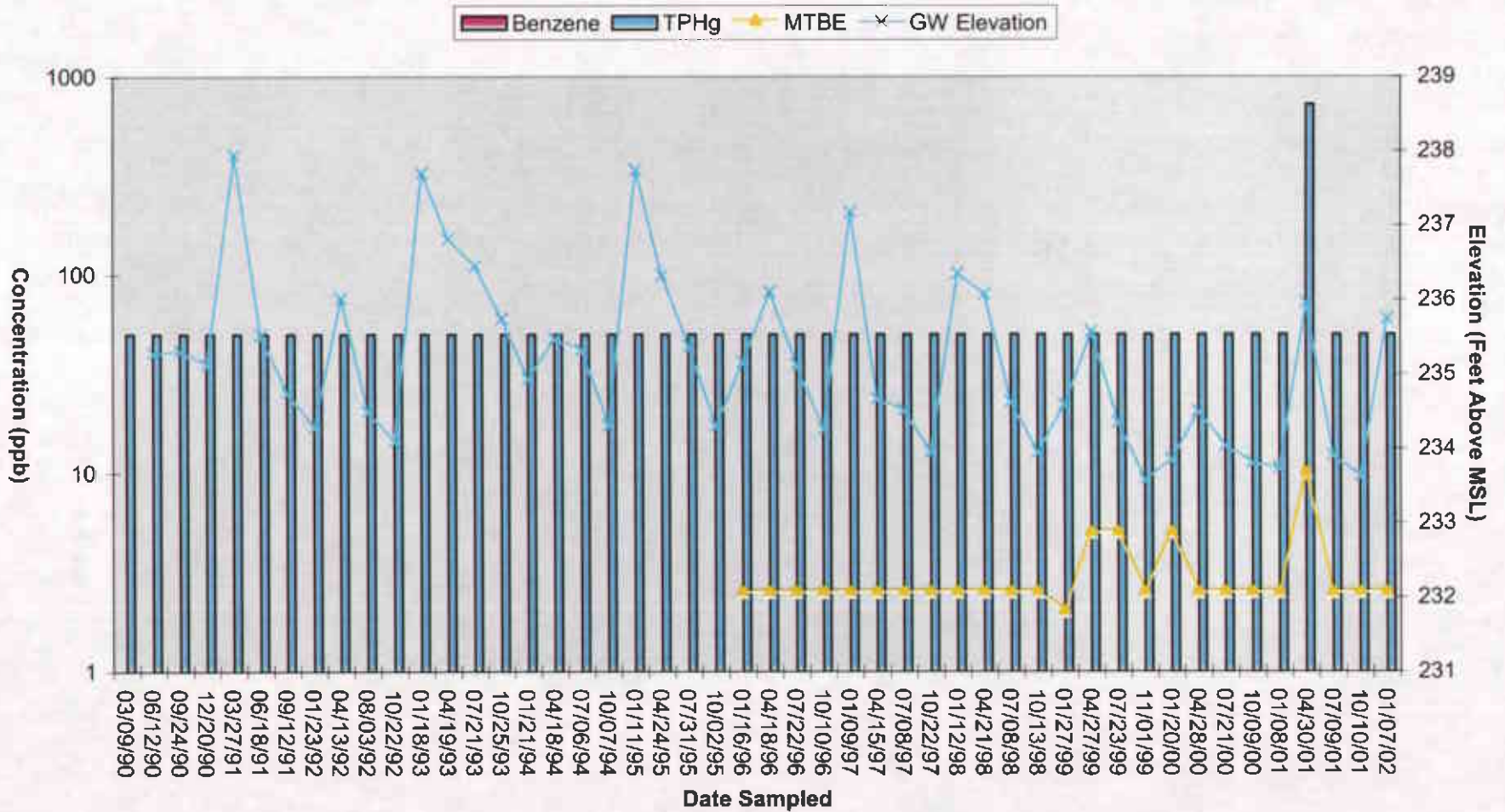
Chevron Station No. 9-5607
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C-13



Chevron Station No. 9-5607
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C-14



Chevron Station No. 9-5607
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C-16



PROPOSED MONITORING SCHEDULE

Chevron Service Station No. 9-5607
5269 Crow Canyon Road
Castro Valley, California

MONITORING WELL	SAMPLING FREQUENCY	CONSTITUENTS TO BE SAMPLED
C-1	QUARTERLY	BTEX, TPH as gasoline, MTBE
C-2	ANNUALLY	BTEX, TPH as gasoline, MTBE
C-3	QUARTERLY	BTEX, TPH as gasoline, MTBE
C-4	ABANDONED	
C-5	SEMI-ANNUALLY	BTEX, TPH as gasoline, MTBE
C-6	QUARTERLY	BTEX, TPH as gasoline, MTBE
C-7	SEMI-ANNUALLY	BTEX, TPH as gasoline, MTBE
C-8	QUARTERLY	BTEX, TPH as gasoline, MTBE
C-9	QUARTERLY	BTEX, TPH as gasoline, MTBE
C-10A	DESTROYED	
C-10B	DESTROYED	
C-11	QUARTERLY	BTEX, TPH as gasoline, MTBE
C-12	QUARTERLY	BTEX, TPH as gasoline, MTBE
C-13	SEMI-ANNUALLY	BTEX, TPH as gasoline, MTBE
C-14	SEMI-ANNUALLY	BTEX, TPH as gasoline, MTBE
C-15	QUARTERLY	BTEX, TPH as gasoline, MTBE
C-16	QUARTERLY	BTEX, TPH as gasoline, MTBE
RW	NOT MONITORED/SAMPLED	